Missouri Botanical Garden
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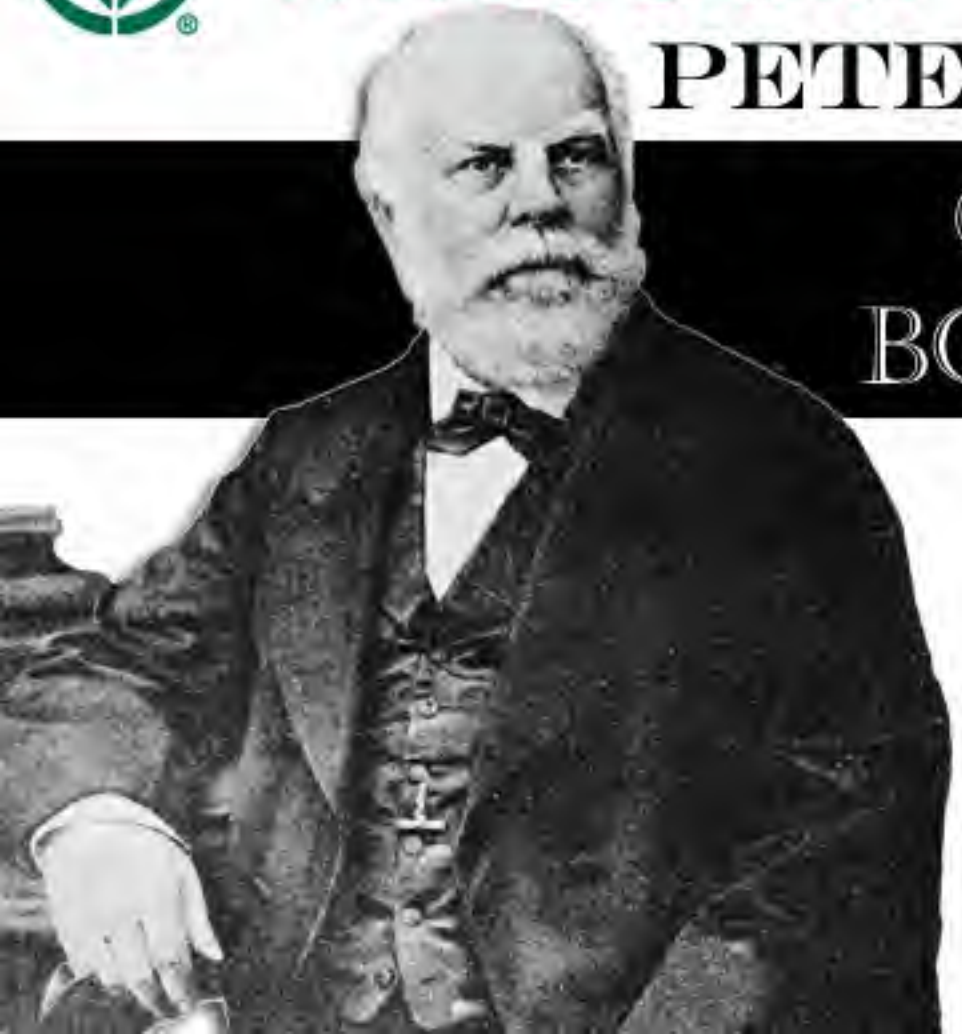
George Engelmann Botanical Notebooks



Pagination Note:
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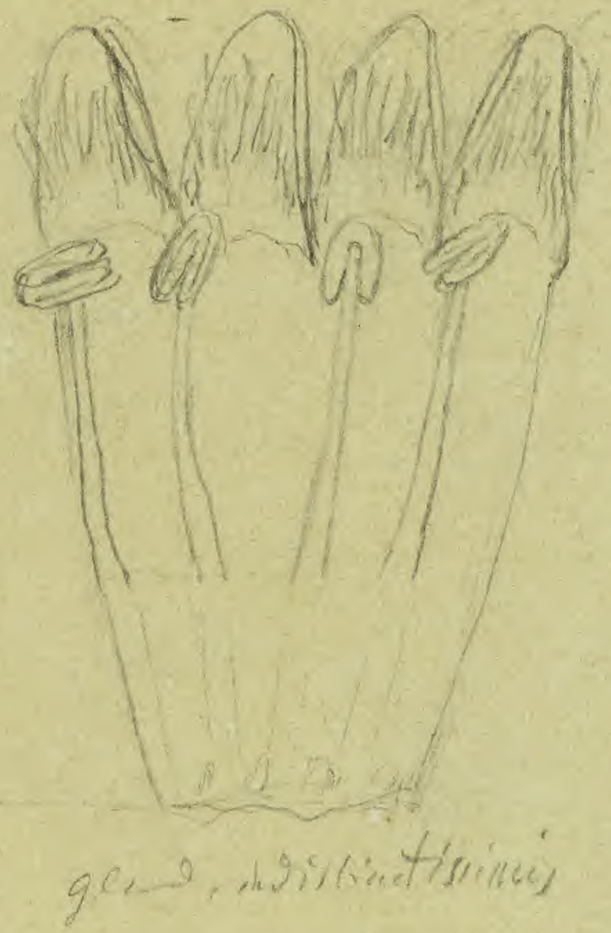
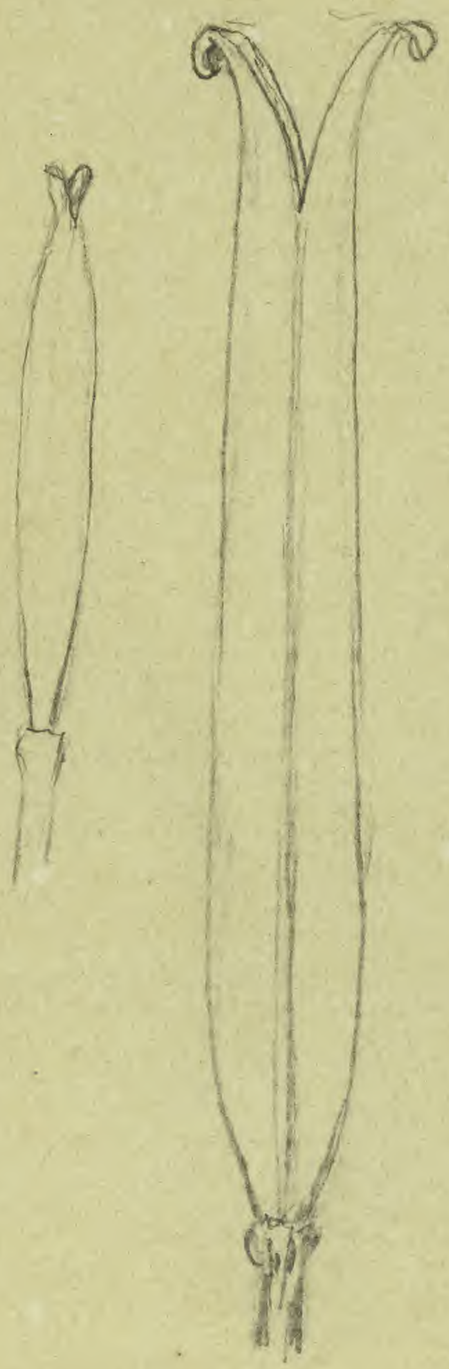
Dec 1861

G. Amarella
vera Berl. Braun

×4



gen. distinct stamens



from a Swedish Specimen ovary stipitate

×30

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cm
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MISSOURI BOTANICAL GARDEN

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Gentiana tenui ?? acute or? Febr 1863

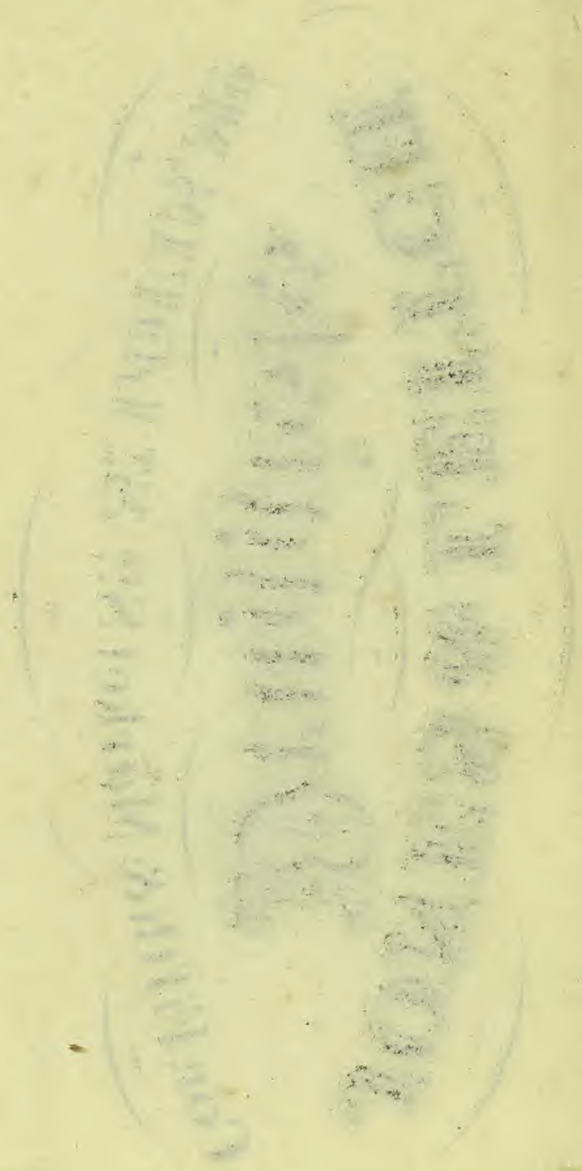
Hall & Hard № 473

×30

0.″23

×4

X 4



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JONES & LETTCH

Druggists

Cor. Fifth & Market Sts. St. LOUIS, MO.

J. McKittrick & Co. 35 N. Main St.

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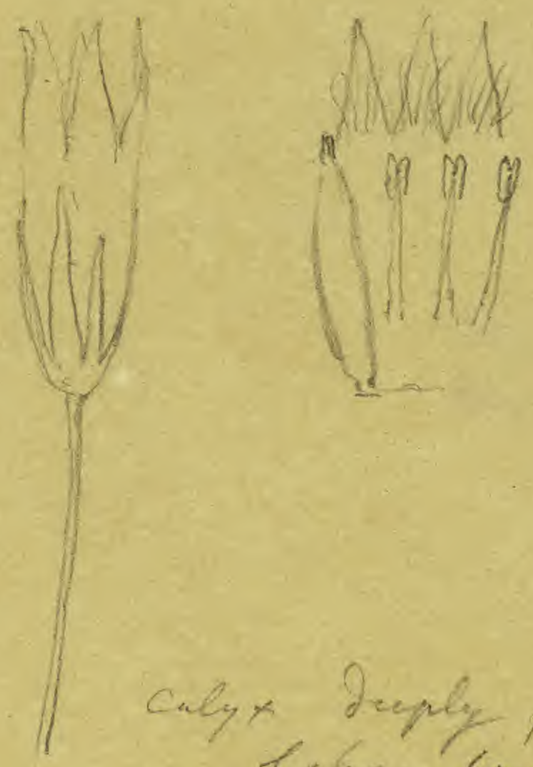
Gent acuta Cal-flora +.! Nov 19 1874

Oregon E Hall spring G. purpurea

x 2



Calyx deeply, almost to base divided
lobes longer than half Corolla tube, unequal
lobes of Corolla half as long as Tube or long
stamens adnate to somewhat $\frac{3}{4}$ of tube, reaching
nearly to fauces

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cm
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PHARMACEUTICAL CHEMIST,

No. 301 South Fifth Street, Cor. Myrtle, ST. LOUIS.

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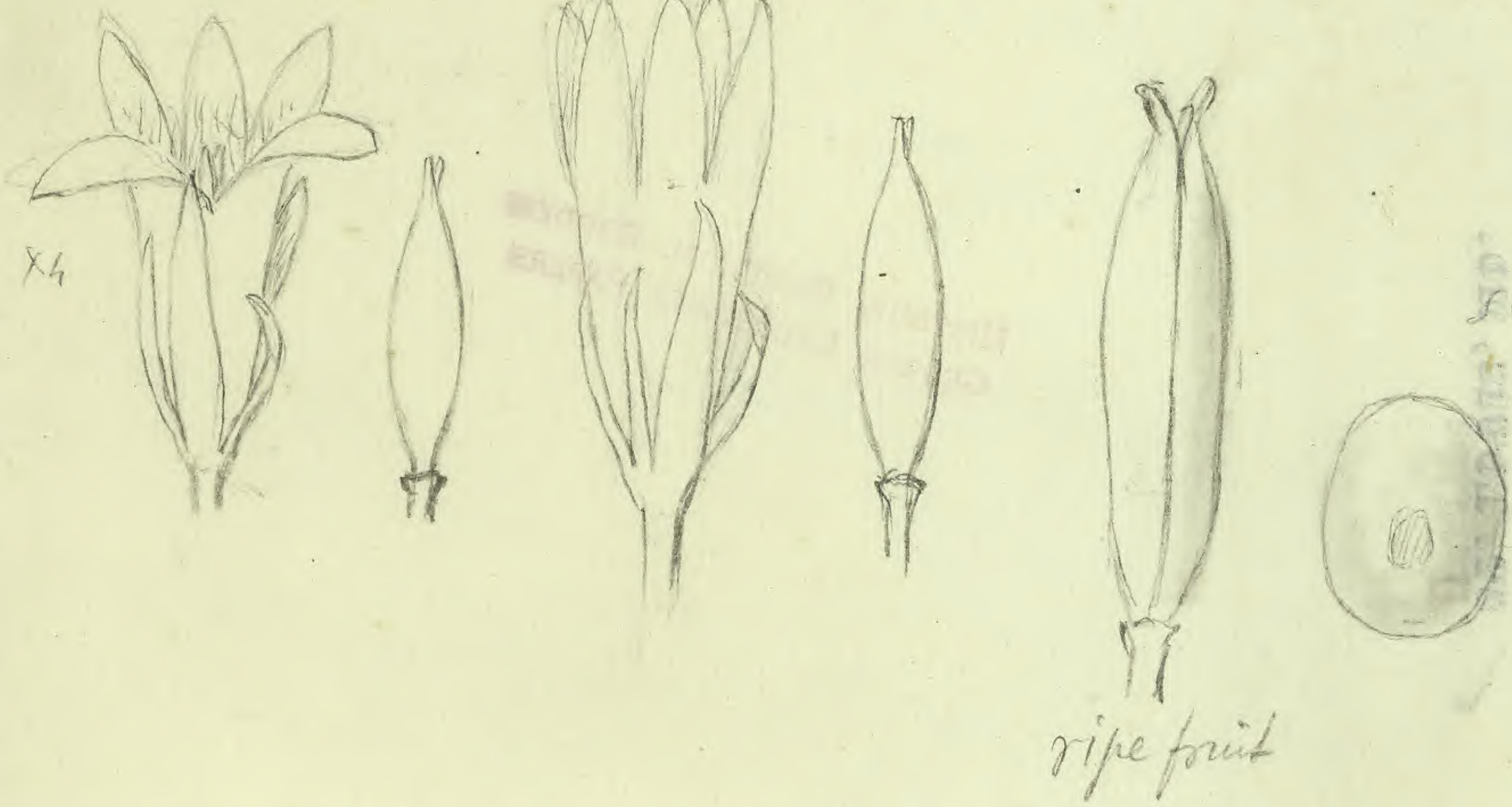
Gentiana acuta grandiflora
Hall & Harbour

Febr 1863



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APOTHECARY AND CHEMIST,

Marble Building, Cor. Fourth and Olive Streets,

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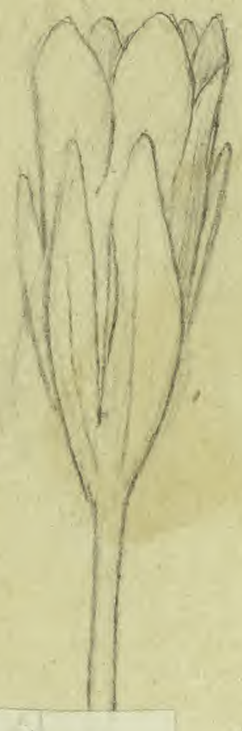
X4

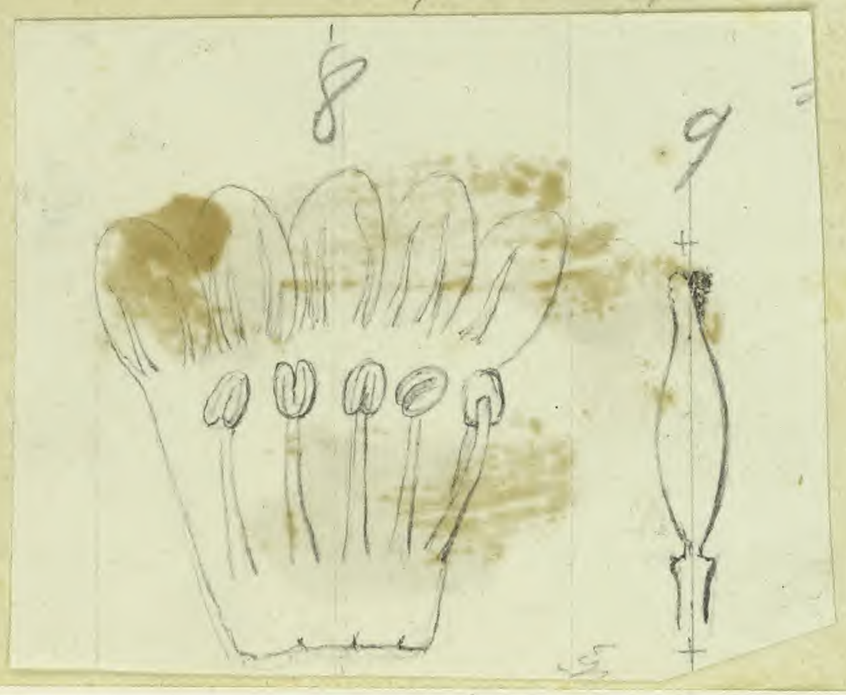
309 Gentiana acuta var

Nov 1861

Pikes Peak, Dr Parry



5 & 4 parted flow



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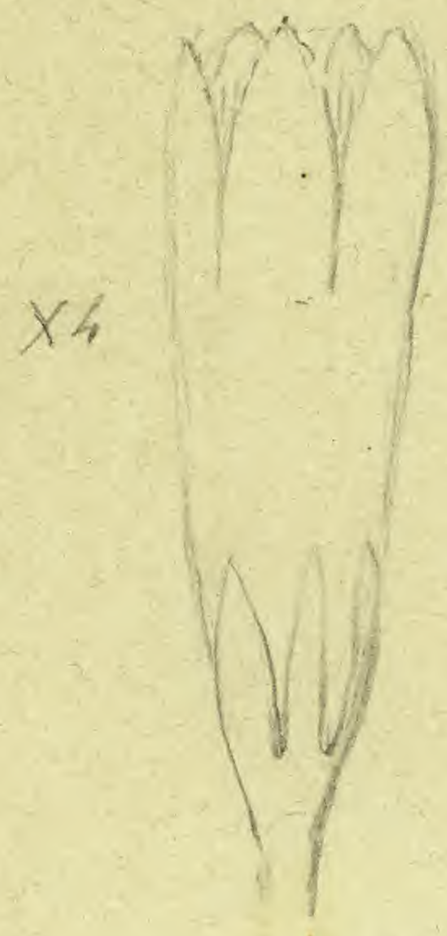
" Gent. acuta "
var. latior
Carlton House
Drummond
Herb A Gray

Feb 1863



ped
X30

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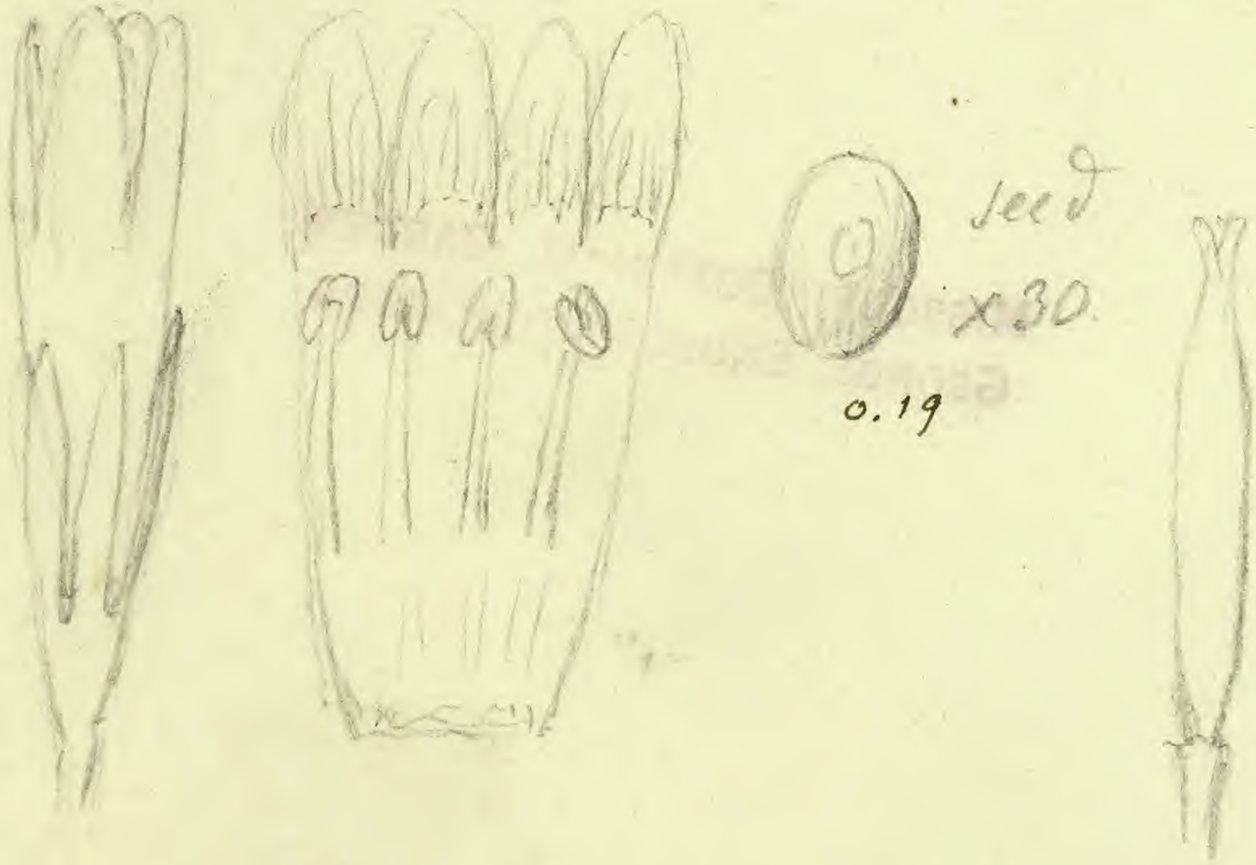
Gentiana acuta Mich

Lower Canada

Herb A Gray

Feb 1863



all flowers 4 parted

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Orth 27 72

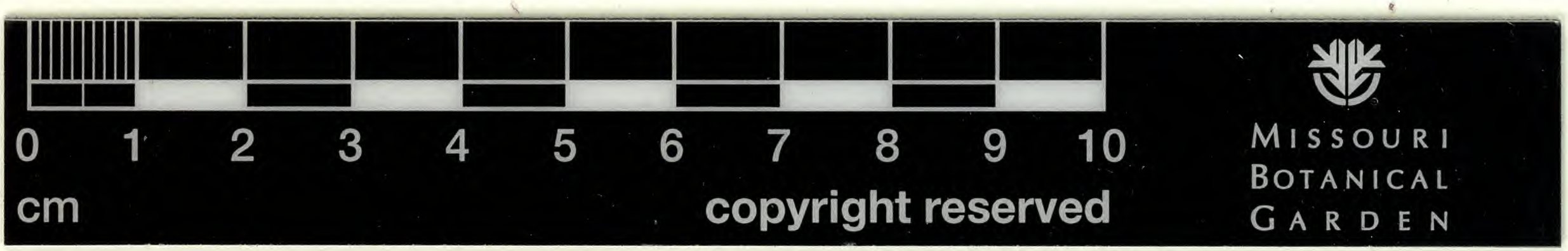
Gentiana detonsa

Colorado

×415

×30

HOUGHTON HERBARIUM
HARVARD UNIVERSITY



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Gentiana acuta

Sept 5 '14

some of later flowers almost entirely of anthers
or pistils in the axil
Anthers in bud turned towards pistil, but soon
to become reversed in (or even before ?)
shedding their pollen. — Stigma then unopened
Placentae linear, commissural.

Calyx quinquaxial & base, (lobes erect ?)
No basal glands ; Corolla
Green seeds globose smooth

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cm 0 1 2 3 4 5 6 7 8 9 10
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3968

307 Gent. acuta Mich
coll. Pany

Dec 1861

×4

Corolla

Seed ×30 0.37
= 0.38 lin or about $\frac{1}{3}$ li

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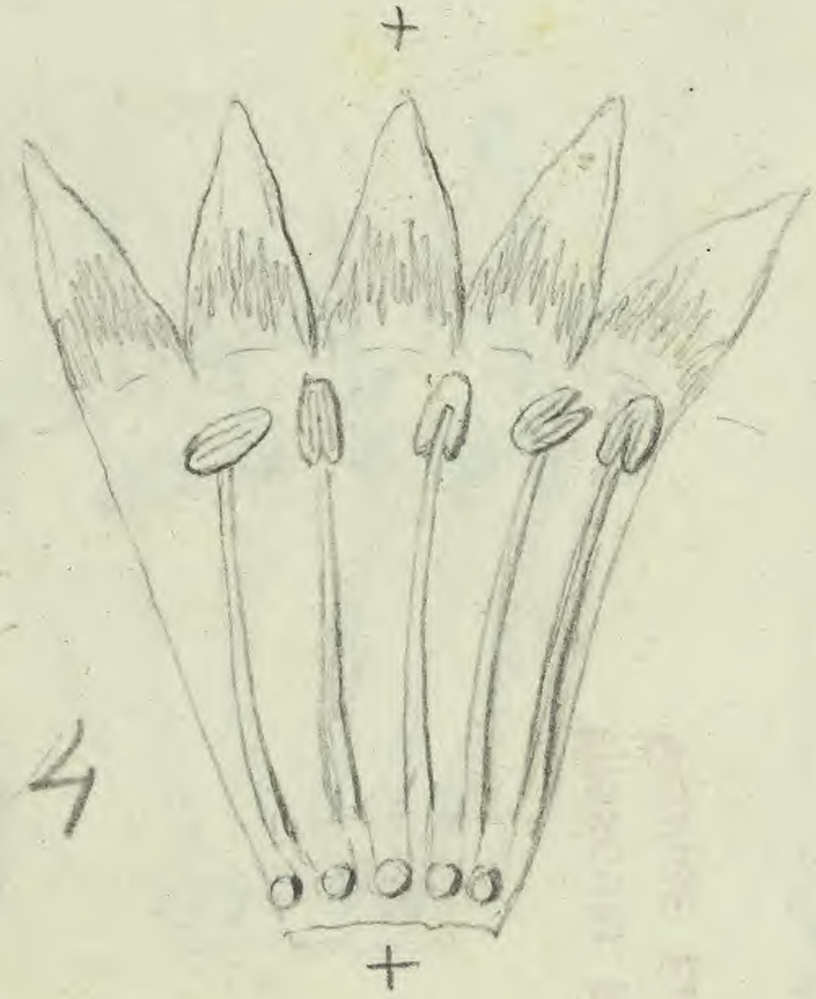
pl 7



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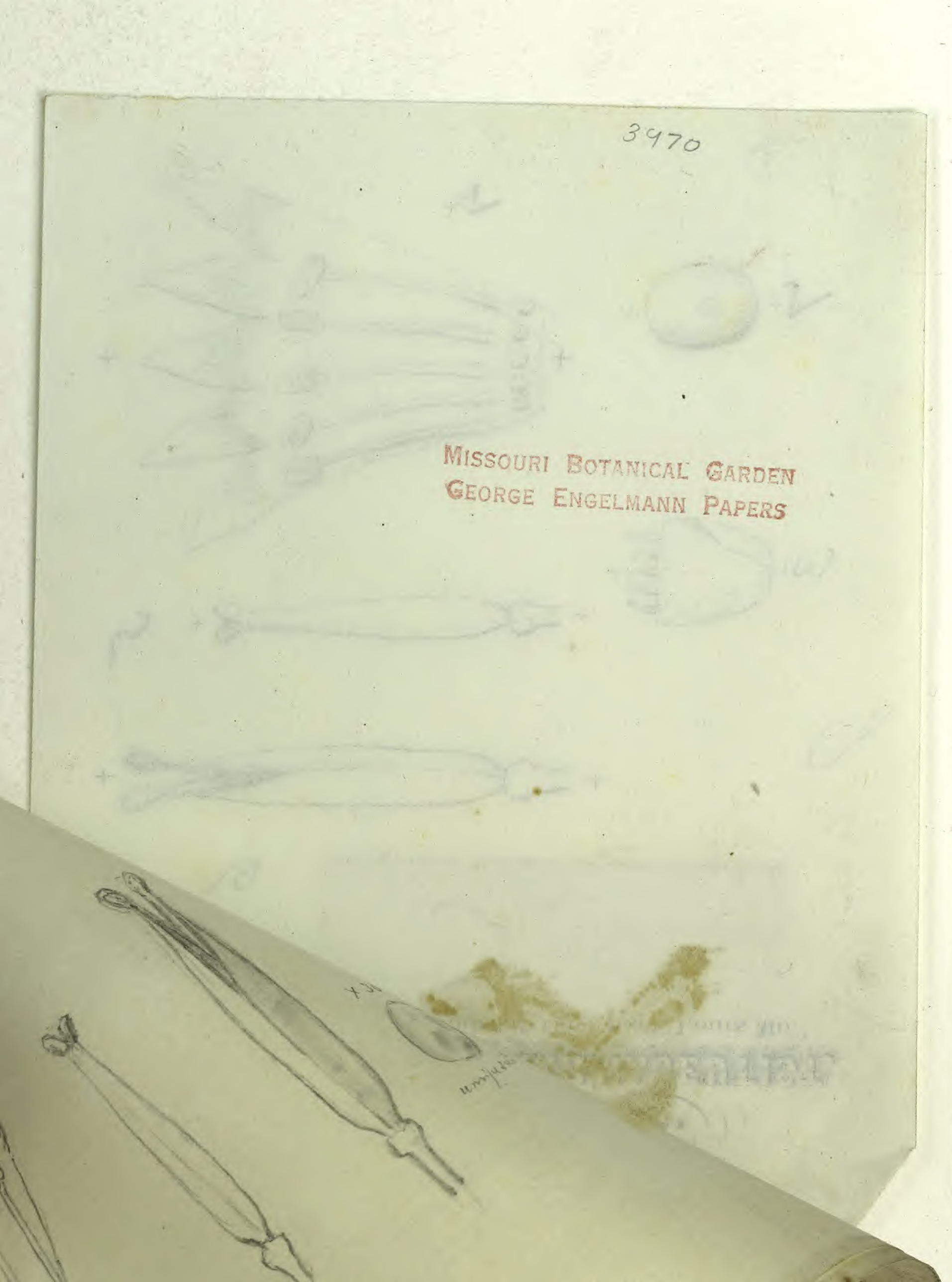

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0 1 2 3 4 5 6 7 8 9 10 cm
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Gent. Critzeni

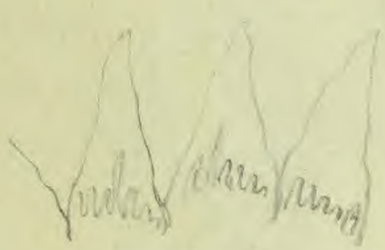
Dec 1861

× 4

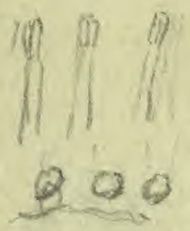
4 – 12 f. Gros

× 30

unripe seed



short fringes



no fringes

abortive stamens

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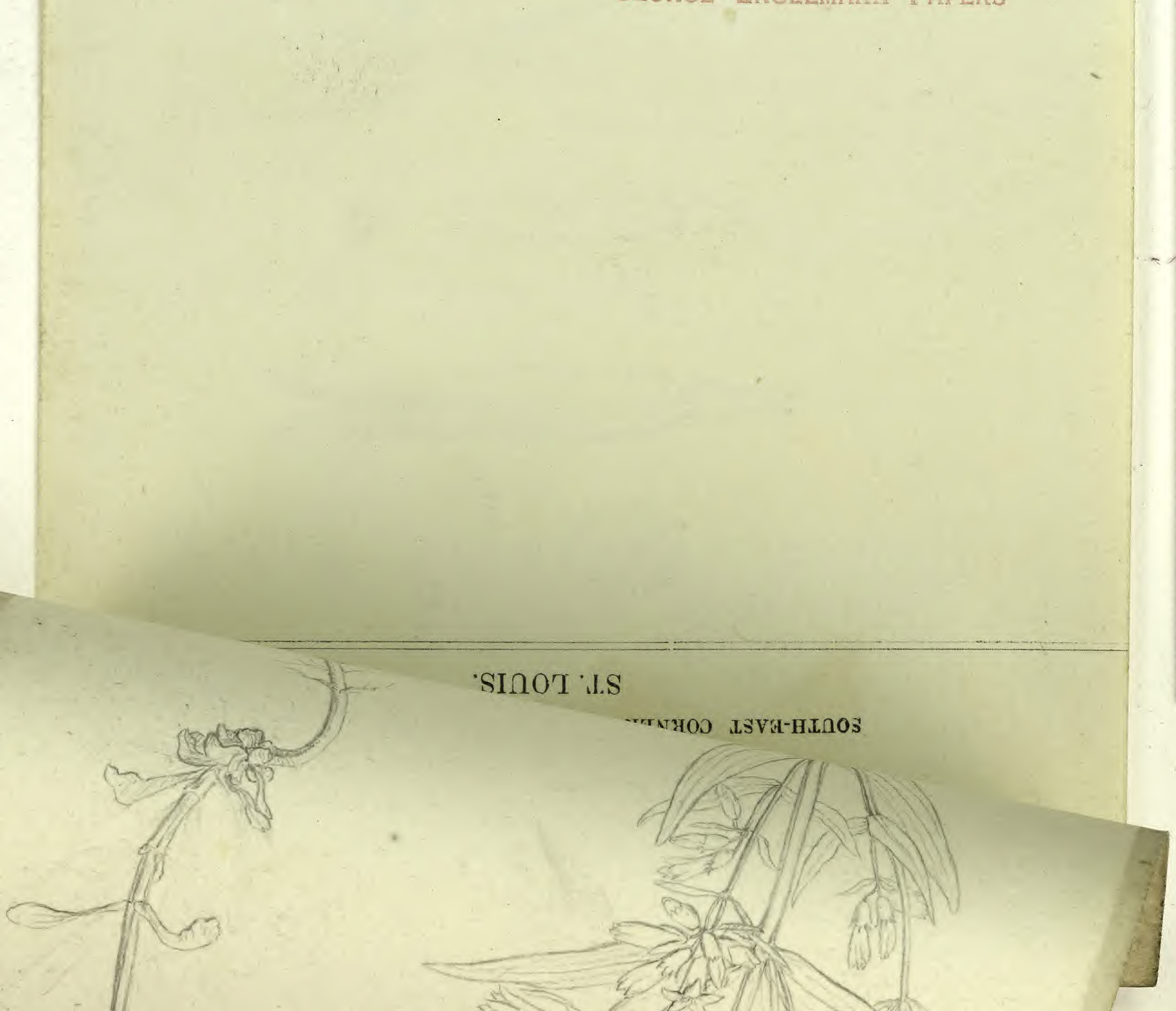

ST. LOUIS.

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× 4

Gentiana tenella Rottb.

Norvegia!

Dec. 1861

Fries misit

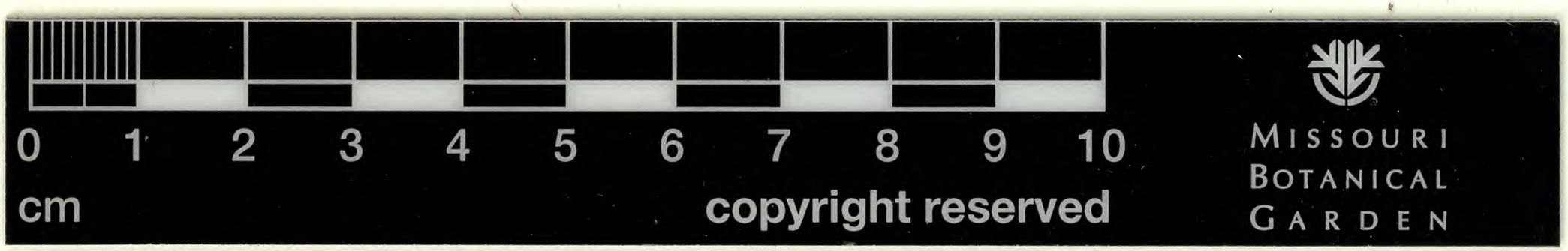
Norvegia

Parlatore

× 10

Carinthia

Altai



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tenella

Gentiana [illegible] n sp.

annua, tetramera calyx ad basin fere usque fissus lobis
basi appendiculatis t. producta, ovata obtusa
tubo aequantibus
lobis oblongis obtusiusculis basi fimbriis flavescentibus
ciliatis binis distinctis connatis corona
tubo basi 10-glandulato multo brevioribus
filamentis antheras, ellipticas (flavas fere) aequantibus
ovario oblongo
capsula — semina —

Gent. saponaria major calyx vix aequans stat. ...
G. crassiculata — NW America obtusa stipitata
G. heterosepala

64
3

3974

Mrs Everets.

I am sory to have to
tell you that Mr Russell
has the small pox and
I had to send him to
the hospital. This morning
just before Tilly came home
so ib you are afraid
that she could carry it to
your baby let her know
and she will not come
back and if you wish
her to come back she will
send back word by Sarah

Yours truly M E Russell

MISSOURI BOTANICAL GARDEN
GEORGE [illegible]

0 1 2 3 4 5 6 7 8 9 10
cm
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Gentiana ~~oligantha~~ [illegible]

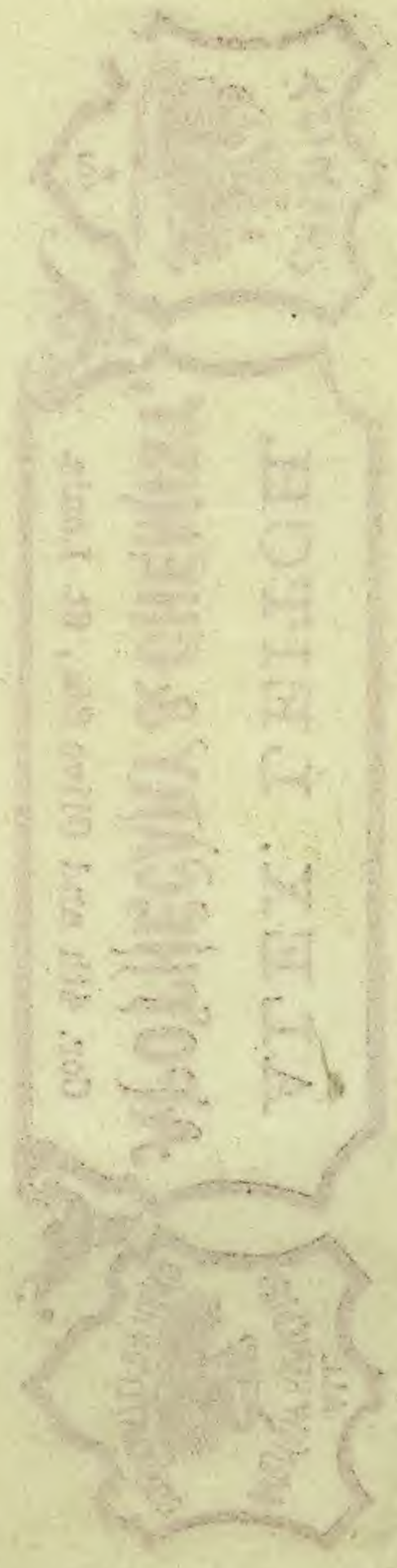
Oct 27 72

Lemella

X415

X30

X10



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Gentiana calycina Bois & Hausskn
in Bois H. orient IV. 75
(1875)
G. calycosa Griseb

0 1 2 3 4 5 6 7 8 9 10
cm
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Pinus I Abies, McNab Dublin 1877

1. P. bracteata Don p. 674
2 P. religiosa HBK 676 examined native specimens from
3 P. amabilis Dougl 677 1
4 P. grandis Dougl 678 2
5 P. lowiana Gord 680 3
6 P. Jonsolon Engl 681 4
7 5

3976

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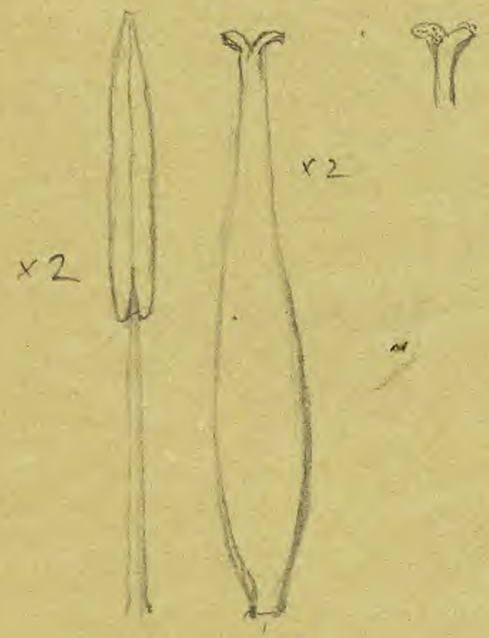
Gentiana lutea.

Nov 22 1874

not expanded

Seed



seed
x10

surface of seed
x30

spathaceous calyx usually with 2 inconspicuous teeth rarely with longer ones

Tube of corolla very short

filaments inserted in fauces

pistil & stamen of an not fully open flower

anthers apparently opening laterally perhaps slightly introrse.

ovule x10

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cm
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PHARMACEUTICAL CHEMIST,

No. 301 South Fifth Street, Cor. Myrtle, ST. LOUIS.

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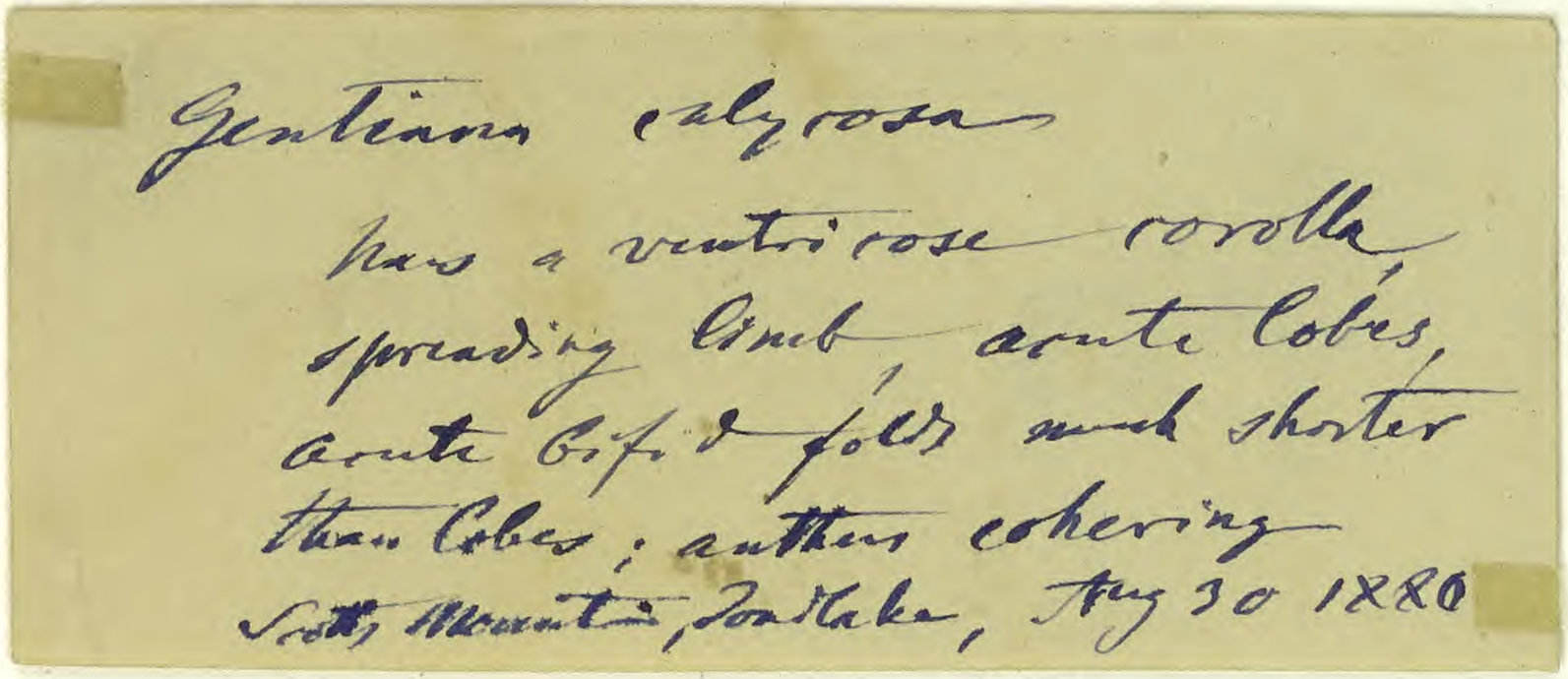
Gentiana calycosa

has a ventricose corolla, spreading limb, acute lobes, acute plaits or folds much shorter than lobes; anthers cohering

Rocky Mountains, Pond Lake, Aug 30 1880

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German Chemicals Dispensed in Prescriptions.

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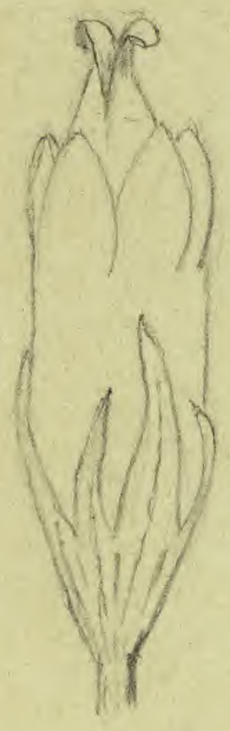
G. tenuis Fries

Nicolai collection

Ger

× 4

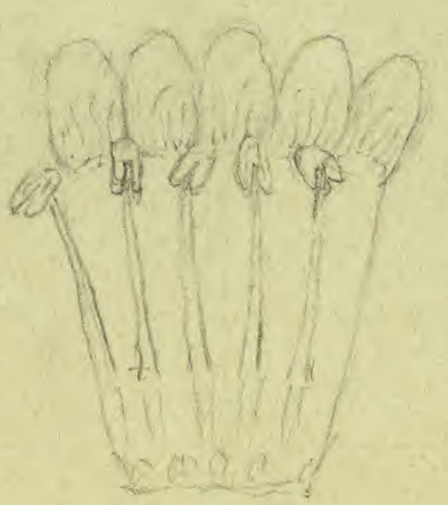


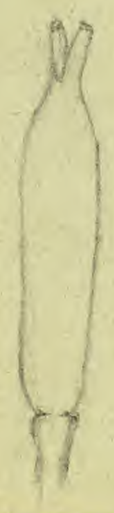
× 30.

= 0,23 lin lg

glands very indistinct.

fl. 4 & 5 parted fibrous at the base,





4 parted

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1

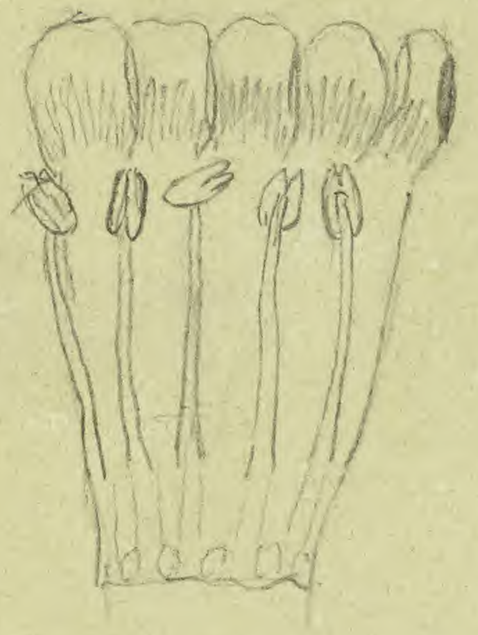
J. tenuis Gris Dec 1861

Sweet water River
H. Engelmann

×4

×30

= 0,2 Li long



Stigm. oblong
Divaricat.

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cm
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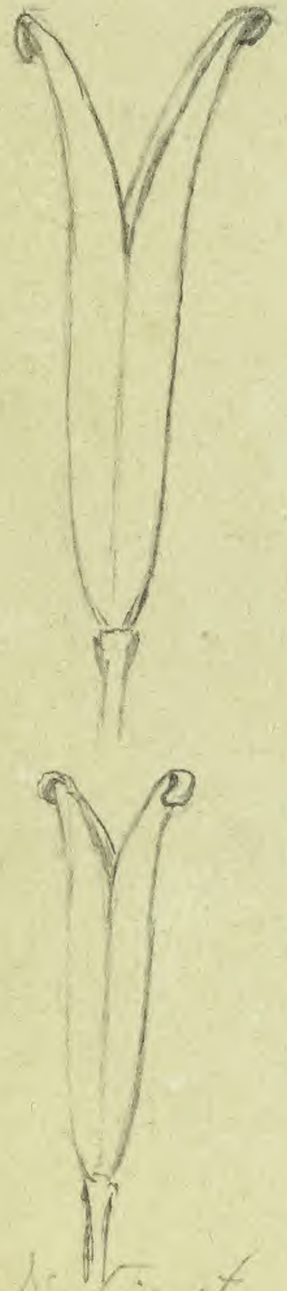
G. tenuis Jur

F. Hayden

Dec. 1861

x4



x30

Seed

= 0.2 diam

glands in stipules

pair epipetalous fibrillae

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0 1 2 3 4 5 6 7 8 9 10 cm
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epals 4

8.1.

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cm
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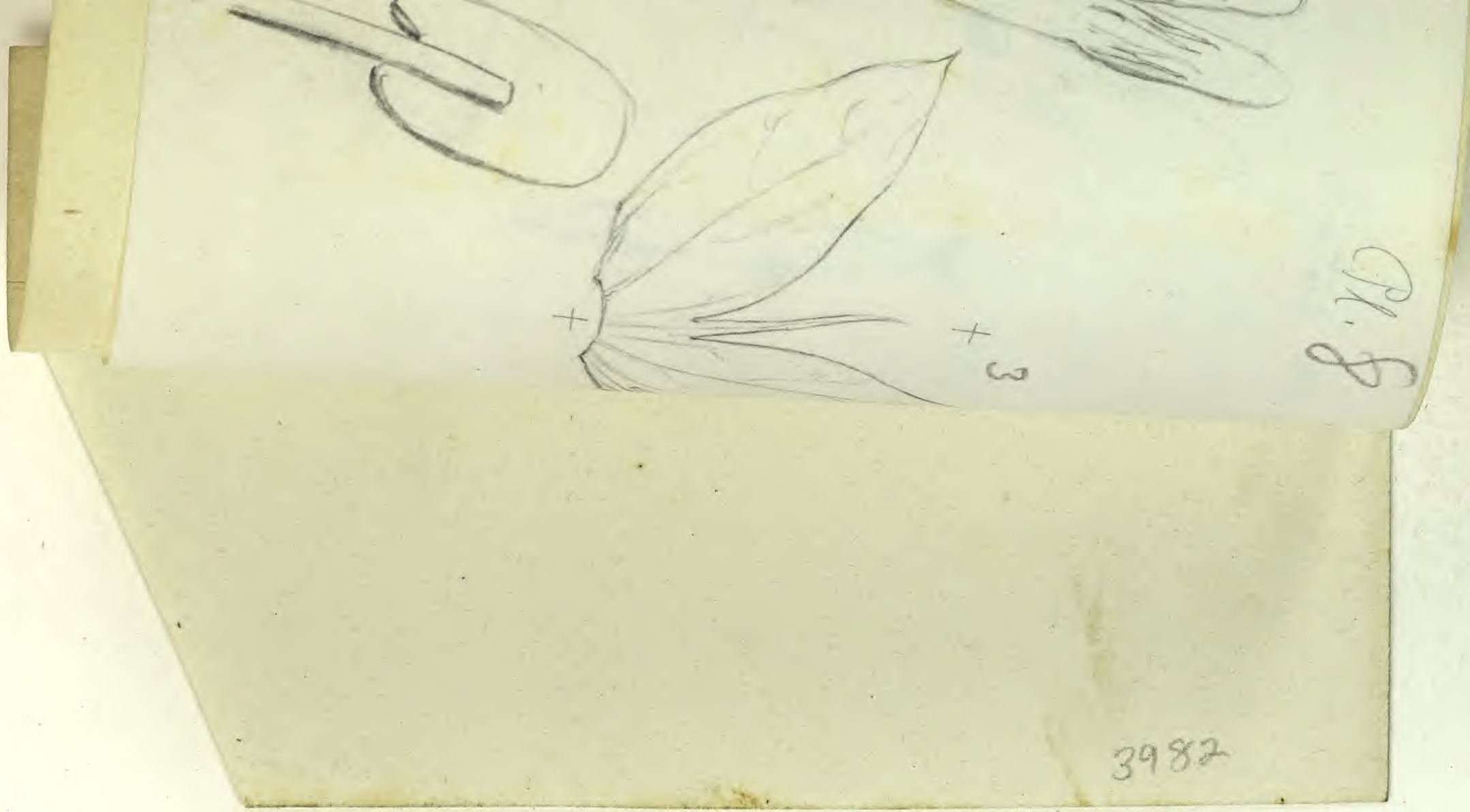

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cm
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Gentiana heterosepala

Pl. 8

× 4

4

5

3

8. 2

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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cm
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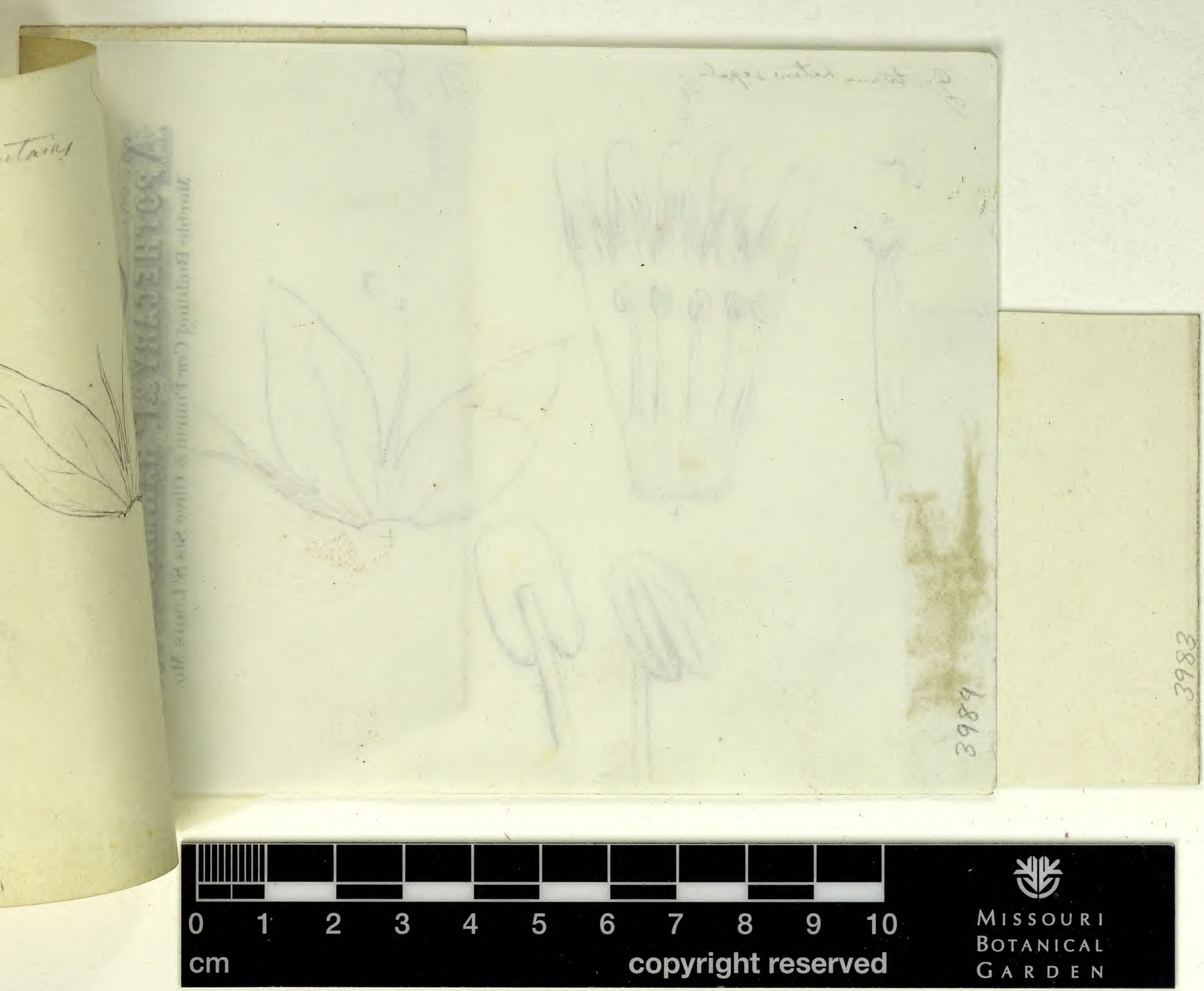

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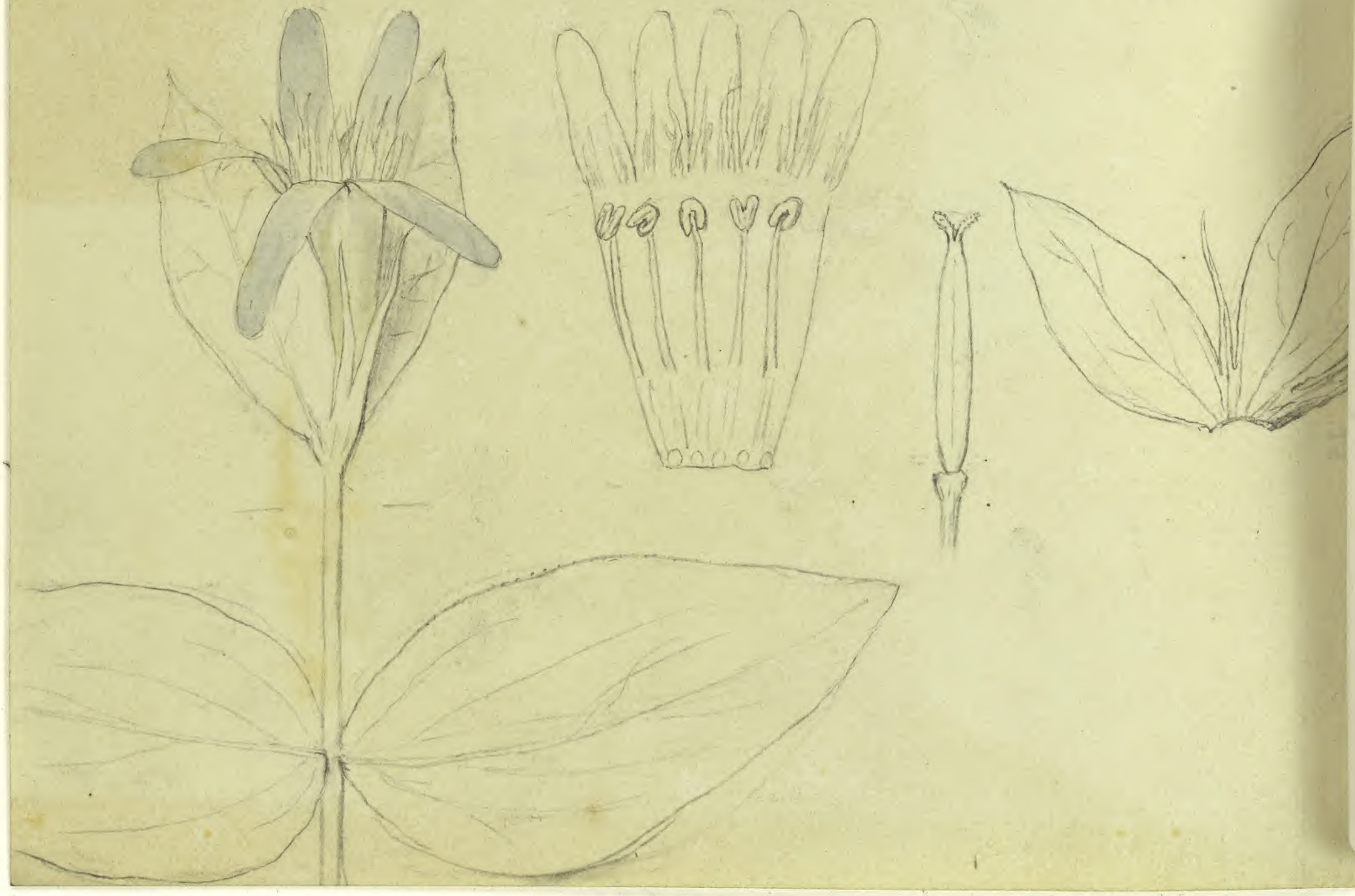
Gentiana

× 4

Uintah Mountains



0 1 2 3 4 5 6 7 8 9 10
cm
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MISSOURI BOTANICAL GARDEN

3985

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

M. W. ALEXANDER,
SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,
ST. LOUIS.

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Gentiana procera ? D

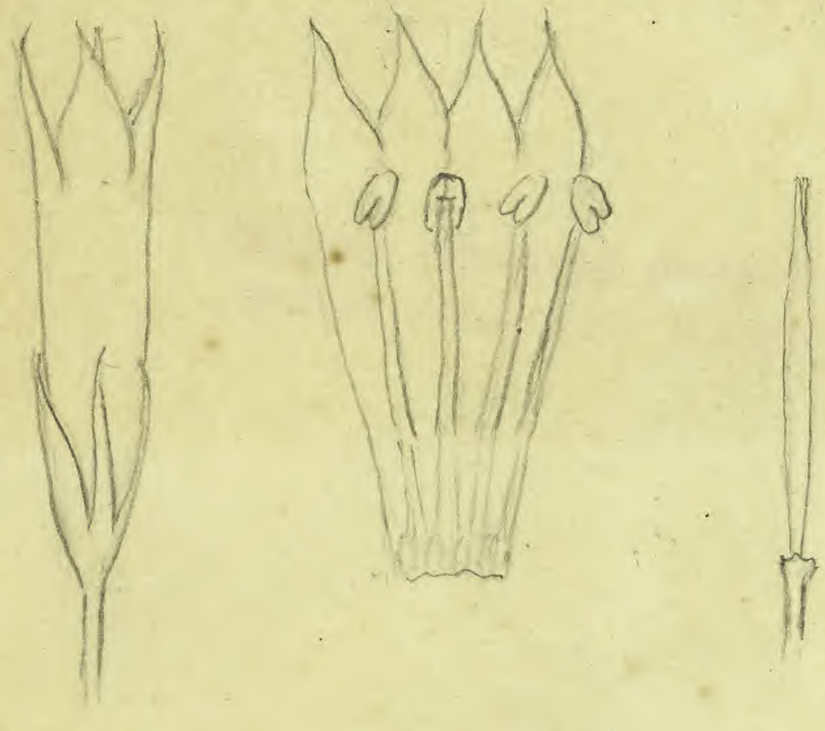
Feb 1863

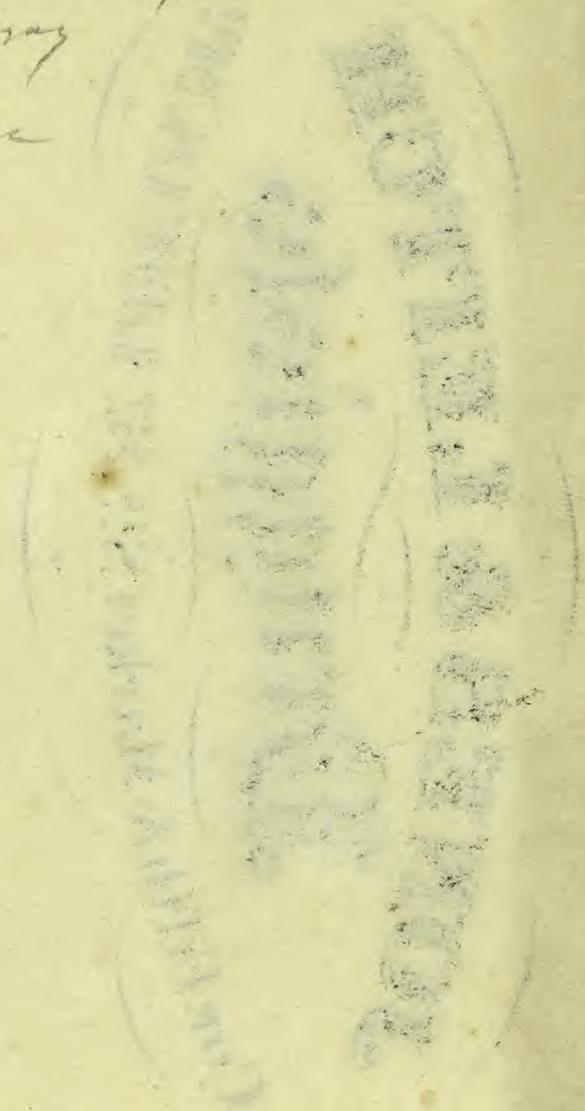
Kotzebue's sound Bot Beechey

Cf Herb A Gray

var. gentianoides

×2





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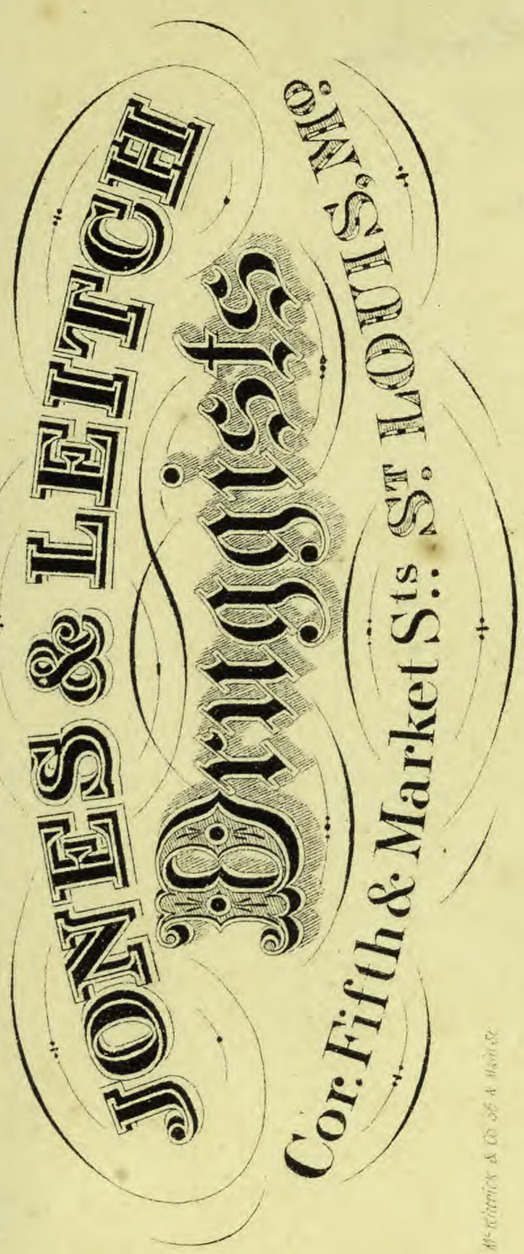

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Gent. quinquefl.
St Louis

Dec 1861

X4

X 30

0.33

Ent. flowers, St Louis

pistil

fruit of a smaller flower

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Dec 1861

Jack gone gone flow

St Peters

small flower

Minnesota

stipe variable

glands more or less conspicuous

long stipe

very short stipe of a flower bud just opening ?

ALEX. LEITCH,

APOTHECARY & PHARMACEUTIST,

Marble Building, Cor. Fourth & Olive Sts., St. Louis, Mo.

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8848

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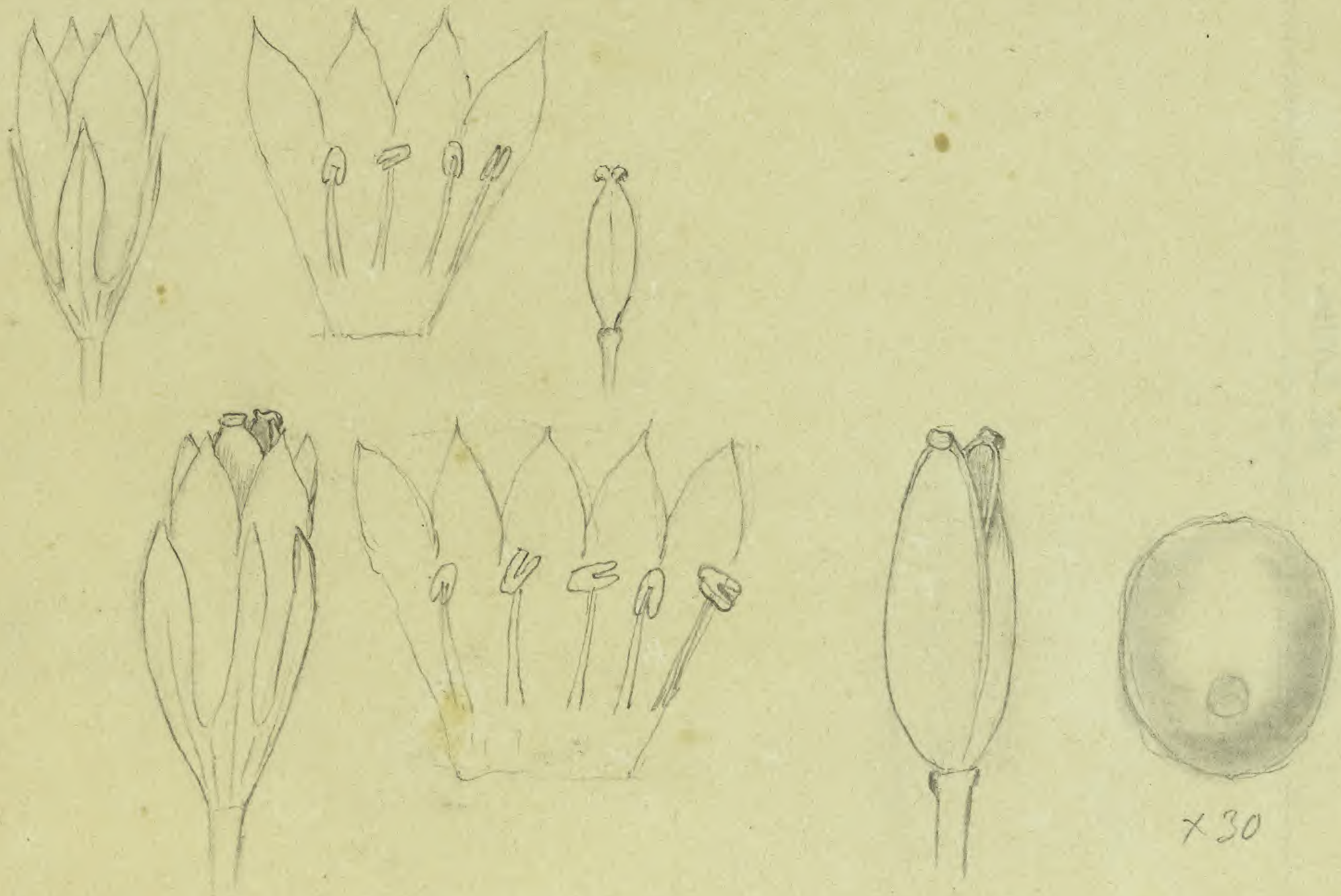
Fr. L. acerca

Dec 1861

×4

Scandinavia, Fries



×30

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